

July 2009

# **Ontario Drinking Water Stewardship Program**

## **Interim Progress Report (2007-2009)**

*Protecting our environment.*



This report provides an overview of the projects funded by the Ontario Drinking Water Stewardship Program (ODWSP) during its first two years. Established under the Clean Water Act, the ODWSP provides financial assistance for voluntary measures that protect municipal drinking water sources.

The ministry funded all priority eligible projects between 2007 and 2009. Each project falls under one of the following categories:

- Special Projects
- Education and Outreach
- Early Actions

The ministry has issued new requests for grant proposals for 2009/10.

For information on **Special Projects** proposals, visit:

[http://www.ene.gov.on.ca/en/water/cleanwater/cwdocs/RFP\\_SpecialProjects2009.pdf](http://www.ene.gov.on.ca/en/water/cleanwater/cwdocs/RFP_SpecialProjects2009.pdf)

For information on **Education and Outreach** proposals, visit:

[http://www.ene.gov.on.ca/en/water/cleanwater/cwdocs/RFP\\_EducationOutreach2009.pdf](http://www.ene.gov.on.ca/en/water/cleanwater/cwdocs/RFP_EducationOutreach2009.pdf)

For information on **Early Actions** proposals, visit:

[http://www.ene.gov.on.ca/en/water/cleanwater/cwdocs/RFP\\_EarlyActions2009.pdf](http://www.ene.gov.on.ca/en/water/cleanwater/cwdocs/RFP_EarlyActions2009.pdf)

**Local level financial assistance for Early Actions activities is available through your local conservation authority:**

<http://conservation-ontario.on.ca/find/index.html>

**If you are a farmer, visit the Ontario Soil and Crop Improvement Association (OSCIA):**

<http://www.ontariosoilcrop.org>

## Special Projects

Between 2007 and 2009, the ministry provided funding for projects that supported the principles of the Clean Water Act and:

- complemented the Early Actions component of the ODWSP
- illustrated a new or innovative approach to municipal drinking water source protection
- First Nations projects to protect municipal drinking water or First Nations communal drinking water sources, and/or
- protected municipal drinking water sources outside of source protection areas.

2007/08 Recipients	Special Projects – Project Overviews
Canadian Centre for Pollution Prevention	Conservation authority staff training on the promotion of pollution prevention reviews to small and medium sized businesses in vulnerable areas, and conducting pilot reviews.
Centre for Community Mapping	Development of a standardized system for conservation authorities staff and the public for tracking funding disbursement under ODWSP.
City of Brantford	Installation of fencing and guardrails to protect municipal drinking water source from contamination resulting from dumping.
City of Peterborough	Upgrading a municipal storm water management pond to protect water quality to a downstream municipal water intake.
Conservation Ontario	Staff training on promoting well decommissioning and septic upgrading programs to residents in vulnerable areas.
Essex Region Conservation Authority	Removal of a gasoline fuel storage tank on the Detroit River.
George Morris Centre	Part I of a cost-benefit analysis of drinking water source protection best management practices.
Grand River Conservation Authority	Decommissioning of wells and septic systems on landowner property located within 100 metres of a municipal wellhead.
Killaloe Hagarty Richards	Constructing a building over a municipal wellhead and installing fencing, and a berm as security around the new building.
Maitland Valley Conservation Authority	Creation of a nutrient settling pond for filtering contaminants carried by surface water flows over agricultural land.

<b>2007/08 Recipients</b>	<b>Special Projects – Project Overviews</b>
Marmora and Lake	Installation of catch basins and a storm sewer to divert water away from municipal drinking water source.
Municipality of Killarney	Education and outreach to local residents and tourists on environmentally friendly boating.
Raisin Region Conservation Authority	Creation of a spills response unit in the Raisin - South Nation Source Protection Region.
Saugeen Valley Conservation Authority	Development of a nitrate audit process.
Sault Ste. Marie Region Conservation Authority	Inspection of transformer stations located within the wellhead protection area to determine necessary action for eliminating threat.
Town of Kapuskasing	Well decommissioning and septic upgrades adjacent to municipal wells.

<b>2008/09 Recipients</b>	<b>Special Projects – Project Overviews</b>
Ausable-Bayfield Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
City of Sudbury	Water treatment facility security upgrades, including fencing and security cameras.
City of Timmins	Decommissioning of municipal wells.
Conservation Halton	Funding to support the delivery of Early Actions and development of a business case for further funding.
County of Oxford	Nitrogen release testing on the results of five best management practices.
Credit Valley Conservation Authority	Funding to establish five pollution prevention demonstration sites, at selected small to medium sized businesses, that when implemented will improve storm water management and reduce or eliminate threats to municipal drinking water sources.
Don Gray	Private decommissioning of septic system and joining to municipal sewer line in a municipal source water protection area.
George Morris Centre	Funding to support watershed modeling research to estimate the effects of source water protection best management practices on nitrate levels in groundwater, used for drinking water.

<b>2008/09 Recipients</b>	<b>Special Projects – Project Overviews</b>
Grand River Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
Grand River Conservation Authority	Utilizing established tools to develop community supported water conservation approaches to reduce municipal water demand in the community of Fergus-Elora.
Lake Simcoe Region Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
Lakehead Region Conservation Authority	Developing and implementing a campaign to encourage property owners to properly dispose of materials or products that have a potential risk to municipal drinking water sources,
Lower Trent Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
Madawaska Valley	Study of poor water quality of Kamaniskeg Lake to determine the source and make recommendations on remedial measures.
Municipality of Wawa	Conducting a leak detection survey on the municipal drinking water system.
Nickel District Conservation Authority	Cyanobacteria monitoring program on Ramsay Lake.
Nottawasaga Valley Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
Raisin Region Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
Raisin Region Conservation Authority	Municipal wellhead security upgrades.
Raisin Region Conservation Authority	Creation of a spills response unit in the Ottawa River area, including training for local emergency response teams.
Rideau Valley Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
Saugeen Valley Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
Severn Sound Environmental Association	Funding to support the delivery of Early Actions and development of a business case for further funding.

<b>2008/09 Recipients</b>	<b>Special Projects – Project Overviews</b>
Southern First Nations Secretariat	Developing education and outreach materials for eight local First Nations for use at a youth and Elder gathering.
Toronto and Region Conservation Authority	Funding to support the delivery of Early Actions and development of a business case for further funding.
Town of Blind River	Decommissioning of three monitoring wells in close proximity to municipal drinking water wells.
Town of Blind River	Municipal well decommissioning.
Town of Smiths Falls	Removal of contaminated soil around site of the new municipal drinking water system intake.
Town of St. Mary's	Water conservation program – installation of low flow toilets and showerheads.

## **Education and Outreach**

Between 2007 and 2009, the ministry provided funding for projects that supported the principles of the Clean Water Act and:

- educated the agricultural community on best management practices for drinking water source protection
- encouraged businesses and industries to develop best management practices for drinking water source protection
- developed strategies to incorporate drinking water source protection into teaching programs, and/or
- developed outreach strategies encouraging local communities to support drinking water source protection initiatives.

<b>2007/08 Recipients</b>	<b>Education and Outreach – Project Overviews</b>
Conservation Ontario	1500 French communications toolkits for conservation authorities to use in their education and outreach initiatives.
Essex Region Conservation Authority	Direct mail to 15,000 properties, one-on-one visits to property owners, and seven open houses.
Grand River Conservation Authority on behalf of Lake Erie Source Protection Region	One-on-one contact with property owners, hosting 20 workshops, education and outreach materials.
Conservation Halton	Splash Day, a water – themed family event held at conservation grounds on June 7, 2008
City of Hamilton	Print materials (signs, brochures), one-on-one site visits, and five open houses.
Conservation Ontario	Communications toolkit on the Clean Water Act, drinking water source protection and best management practices.
Conservation Ontario	Funding for environmental non-government organizations' participation in annual A.D. Latornell Symposium.
Canadian Environmental Law Association	Funding to support environmental non-government organizations' participation in discussions on the Clean Water Act and the source protection planning process.
Ausable Bayfield Conservation Authority on behalf of Source Protection Region	Education and outreach to landowners, preparing and distributing materials related to the project, organizing meetings and demonstrations on best management practices for drinking water source protection.

<b>2007/08 Recipients</b>	<b>Education and Outreach – Project Overviews</b>
Lake Simcoe Region Conservation Authority for the South Georgian Bay – Lake Simcoe Source Protection Region	Direct mail to 16,000 households, one-on-one visits with landowners, nine workshops, virtual library.
Lakehead Region Conservation Authority	Direct mail campaign, one-on-one visits with property owners, website upgrades, open house.
Nickel District Conservation Authority	World Water Day Movie Festival, one-on-one visits with property owners, installation of drinking water protection signs for vulnerable areas.
Nottawasaga Valley Conservation Authority	Funding for direct mailing campaign, one-on-one contact with property owners and one workshop.
Ontario Federation of Agriculture for the Ontario Farm Environmental Coalition	Brochure on source protection targeting farmers, training representatives of the Ontario Soil and Crop Improvement Association on the Clean Water Act, speaking engagements.
Otonabee Region Conservation Authority on behalf of the Trent Conservation Coalition	Direct mail of education and outreach materials, one-on-one visits with property owners, 17 seminars throughout the region.
Pollution Probe	Website tool to support cross-jurisdictional management of the Ottawa River watershed.
Raisin Region Conservation Authority on behalf of Raisin-South Nation Source Protection Region	Direct mail of education and outreach materials, one-on-one visits with property owners, watershed tour, best management practices workshops, barriers survey.
Regional Municipality of Durham	One-on-one site visits, community forums, general public workshops, media campaign.
Rideau Valley Conservation Authority (on behalf of Quinte, Cataraqui, Mississippi Valley and Rideau Valley)	2,660 property owners within vulnerable areas targeted by four conservation authorities through direct mailing campaign, one-on-one visits, installation of drinking water source protection signs, 13 open houses, news releases, public service announcements.
Saugeen Valley Conservation Authority for the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region	Direct mail campaign, one-on-one visits with property owners, website upgrades, six seminars across the region.
Sault Ste Marie Conservation Authority	Print materials (signs, brochures), one-on-one site visits.
St. Lawrence River Institute of Environmental Sciences	Education program for secondary school students on source water protection.
Toronto and Region Conservation Authority on behalf of the Source Protection Region	One-on-one contact with property owners, workshop.

<b>2007/08 Recipients</b>	<b>Education and Outreach – Project Overviews</b>
Upper Thames River Conservation Authority on behalf of Thames-Sydenham Source Protection Region	Direct mail to property owners, eight workshops.

<b>2008/09 Recipients</b>	<b>Education and Outreach – Project Overviews</b>
Conservation Ontario	Development of information toolkit to be used by conservation authorities in education and outreach on the Clean Water Act and the Ontario Drinking Water Stewardship Program.
City of Timmins	Education and outreach in the Mattagami Region Source Protection Area including posting of signs recognizing the municipal drinking water system vulnerable areas.
St. Lawrence River Institute	Water education program offered to local high school students, including information on the Clean Water Act, source protection and water sampling and analysis.
United Nations Association	Creation of local youth advisory committees to engage local stakeholders and public on drinking water source protection and put forward a youth advisory statement on drinking water issues.
City of Greater Sudbury	Shoreline demonstration project of erosion control measures at the Science North Centre, on Lake Ramsey.
Conservation Ontario	Funding for students and ENGO representatives to attend the Latornell conservation Symposium.
Oxford County	Oxford Children's Water Festival.
Regional Municipality of Peel	Education and outreach on drinking water source protection in the Town of Caledon.
University of Guelph	Education and outreach in local area, displays and/or presentations at 25 agricultural events, media coverage, yellow fish road project.
Municipality of Central Elgin	Education and outreach – focus on non residential users of municipal drinking water, including seasonal residents and marina users (Port Stanley).

Sydenham Field Naturalists	Chatham-Kent Children's Water Festival – funding to do script writing for activity stations related to water.
Mississippi Valley Field Naturalists	Source Protection planning for Grade 8 Students (targeting seven schools within municipal drinking water system vulnerable areas).
Bruce Davidson (Concerned Walkerton Citizens)	Presentations to Source Protection Committees and stakeholder groups across the province.
Grey Bruce Health Unit	Education and outreach in local Source Protection Region focusing on agricultural stakeholders, adults, children and youth, commercial and business sector, and adult property owners.
Ladies of the Lake	Development of 20 films related to Lake Simcoe water issues, an eight week film school.

### **Early Actions**

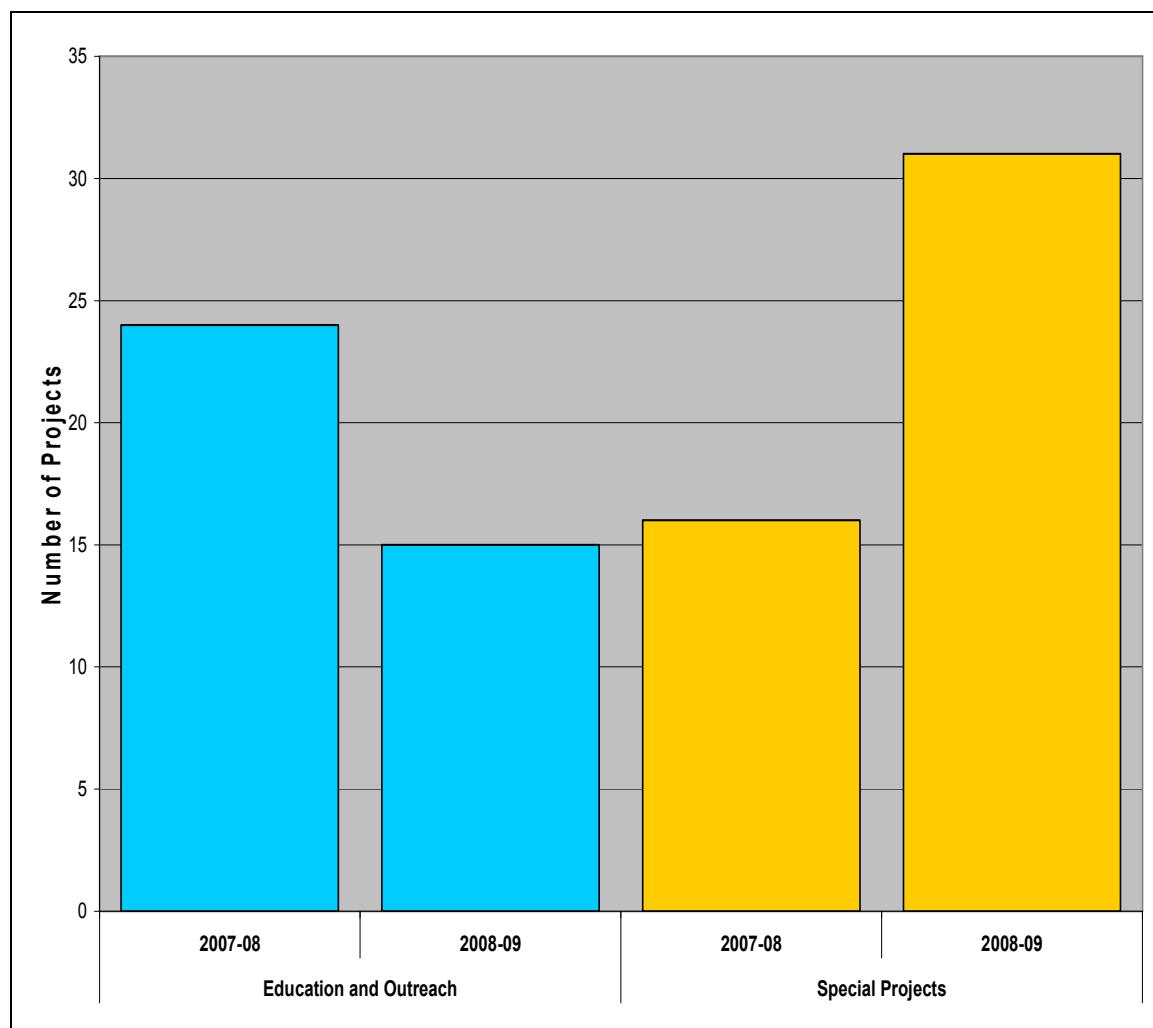
Between 2007 and 2009, the ministry provided funding to help Ontario property owners, farmers, and small to medium sized businesses implement best management practices for drinking water source protection. Funding was delivered through local funding administrators, including conservation authorities, and the Ontario Federation of Agriculture in partnership with the Ontario Soil and Crop Improvement Association. The best management practices involved:

- decommissioning old abandoned wells and upgrades to existing wells
- septic systems education, upgrades and inspections
- pollution prevention reviews, and
- runoff and erosion protection measures.

<b>2007/08 Recipients Early Actions</b>
<b>Funding for best management practices implementation (local delivery)</b>
Ausable-Bayfield Conservation Authority
Cataraqui Region Conservation Authority
Essex Region Conservation Authority
Grand River Conservation Authority
Conservation Halton
Lake Simcoe Region Conservation Authority
Lower Trent Region Conservation Authority
Moira River (Quinte) Conservation Authority
Niagara Peninsula Conservation Authority
Nickel District Conservation Authority
North Bay-Mattawa Conservation Authority
Ontario Soil and Crop Improvement Association
Raisin Region Conservation Authority
Rideau Valley Conservation Authority
Saugeen Valley Conservation Authority
Sault Ste. Marie Conservation Authority
Toronto and Region Conservation Authority
Upper Thames River Conservation Authority

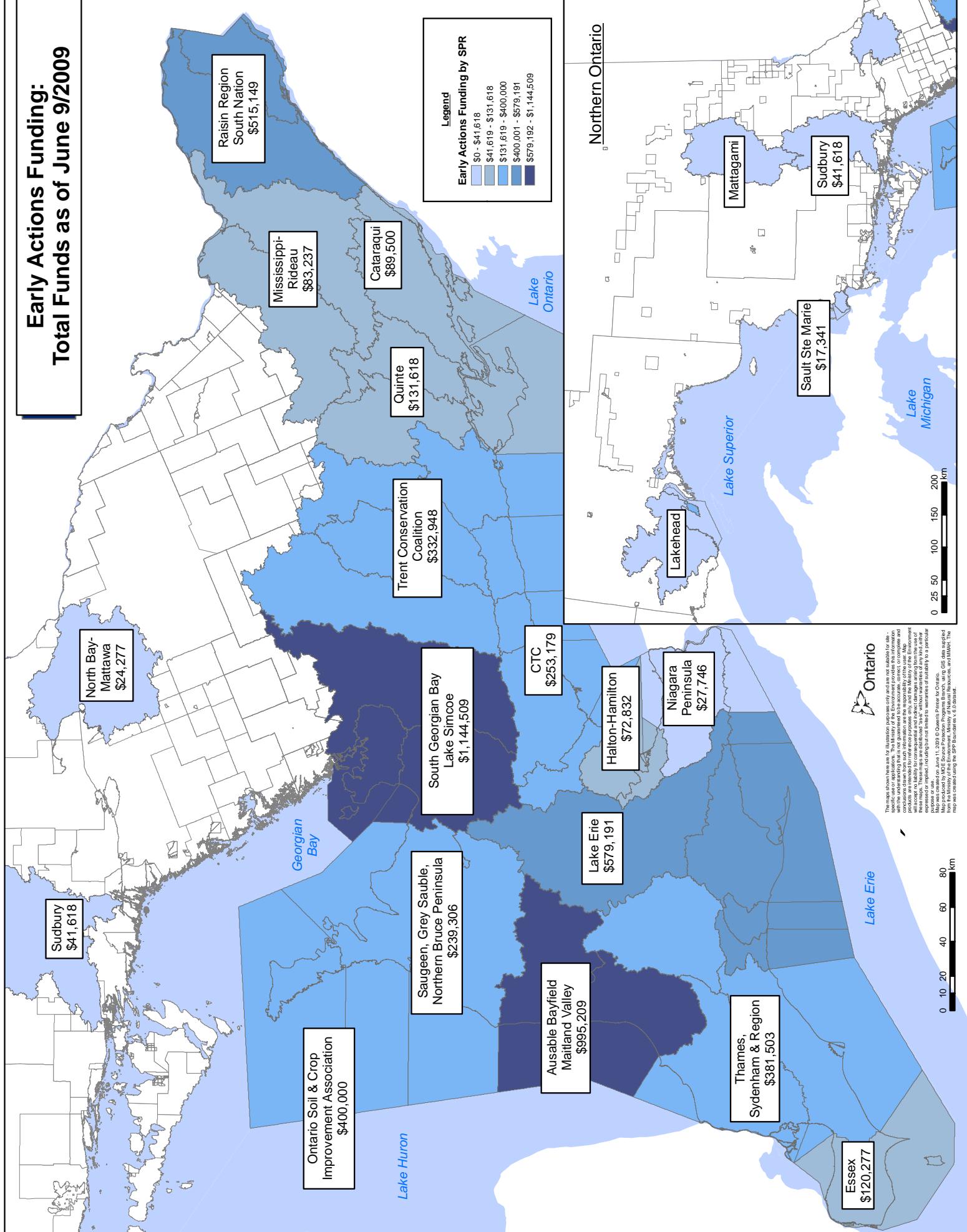
<b>2008/09 Recipients Early Actions</b>
<b>Funding for best management practices implementation (local delivery)</b>
Essex Region Conservation Authority
Quinte Conservation
Raisin Region Conservation Authority
Cataraqui Region Conservation Authority
Ausable-Bayfield Conservation Authority
Grand River Conservation Authority
Nottawasaga Valley Conservation Authority

**Graph:** Education and Outreach Projects & Special Projects funded under the Ontario Drinking Water Stewardship Program 2007-2009



## Map: Ministry funding to local administrators for Early Actions projects

## **Early Actions Funding: Total Funds as of June 9/2009**



**Graph: Early Actions projects funded by local administrators as of July 2009**

- 351 local projects completed
- 131 projects in the process of being completed

